

### **REMARKS**

The present Amendment amends claims 1-4 and 6-25. Therefore, the present application has pending claims 1-25.

The drawings stand objected to in paragraph 3 of the Office Action as failing to comply with 37 CFR §1.84(p)(5) because they include reference characters not mentioned in the description. The specification was amended to include the reference numbers. Therefore, this objection is overcome and should be withdrawn.

The Abstract and the disclosure stands objected to due to informalities noted by the Examiner in paragraph 6 of the Office Action. Various amendments were made throughout the Abstract and the specification to correct minor errors grammatical and editorial in nature discovered upon review. Entry of the amendments to the Abstract and the specification is respectfully requested. Therefore, this objection is overcome and should be withdrawn.

Claims 7, 11, 12, 16, 17 and 23 stand objected to due to informalities in paragraph 7 of the Office Action. Amendments were made to claims 7, 11, 12, 16, 17 and 23 to correct the informalities noted by the Examiner. Therefore, this objection is overcome and should be withdrawn.

Claims 1-19 and 21-23 stand rejected under 35 USC §112, second paragraph as being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicants regard as their invention. Various amendments were made throughout claims 1-19 and 21-23 to bring them into conformity with the requirements of 35 USC §112, second paragraph. Therefore, Applicants submit that this rejection is overcome and should be withdrawn.

Applicants acknowledge the Examiner's indication in paragraph 13 of the Office Action that claim 24 would be allowable if rewritten in independent form including all the limitations of the base claim and any intervening claims. Applicants also acknowledge the Examiner's indication that claims 6 and 13-19 would be allowable if rewritten or amended to overcome the 35 USC §112, second paragraph rejection. As indicated above, claims 6 and 24 were amended to place them in independent form including all the limitations of the base claim and any intervening claims and claims 6 and 13-19 were amended to overcome the 35 USC §112, second paragraph rejection. Therefore, claims 6, 13-19 and 24 are allowable as indicated by the Examiner.

Claims 1-5, 7-12, 20-23 and 25 stand rejected under 35 USC §102(e) as being anticipated by Tari (U.S. Patent Application Publication No. 2002/0199015). This rejection is traversed for the following reasons. Applicants submit that the features of the present invention as now more clearly recited in the claims are not taught or suggested by Tari whether taken individually or in combination with any of the other references of record. Therefore, reconsideration and withdrawal of this rejection is respectfully requested.

Amendments were made to the claims to more clearly describe that the present invention is directed to a communication system, gateway equipment for use in the communication system and authentication method implementing functions performed in the communication system.

According to the present invention, the communication system includes a home network installed with a home agent for holding mobile terminal location

information of a mobile terminal, a visited network installed with a radio communication device for communicating with a mobile terminal and gateway equipment in the home network for forming an interface with the home network.

According to the present invention the radio communication device includes an access request transfer means for forwarding an access request from the mobile terminal of the visited network to the gateway equipment. The gateway equipment according to the present invention includes a prefix request means for requesting a prefix for the mobile terminal for the home agent in response to an access request from the mobile terminal and a prefix transfer means for receiving the requested prefix from the home agent and forwarding the received prefix to the mobile terminal. According to the present invention the prefix is used to generate a home address in the mobile terminal.

The above described features of the present invention now more clearly recited in the claims are described, for example, on pages 10-11 of the present application wherein it is shown that the home agent and the gateway equipment contain a DHCP-PD and as such distributes prefixes to the mobile terminals. According to the present invention as described in the above noted passages of the present application the mobile terminal generates a home address according to the distributed prefix. Thus, by implementing this procedure the mobile terminal can acquire a home address in a network other than the home network.

The above described features of the present invention now more clearly recited in the claims are not taught or suggested by Tari. Tari merely discloses that an MDBSX is distributed to a terminal. However, at no point is there any teaching or

suggestion in Tari that a terminal can generate a home address based on a distributed prefix as in the present invention. No such home address is generated based upon the MDBSX which is distributed to the terminals as taught by Tari. As such at no point is there any teaching or suggestion in Tari that a prefix is distributed and that the terminal using such prefix generates a home address as in the present invention as recited in the claims.

Thus, Tari fails to teach or suggest gateway equipment including a prefix request means for requesting a prefix for the mobile terminal from the home agent in response to an access from the mobile terminal and a prefix transfer means for receiving the requested prefix from the home agent and forwarding the received prefix to the mobile terminal as recited in the claims.

Further, Tari fails to teach or suggest that the prefix is used to generate a home address in the mobile terminal as recited in the claims.

Therefore, as is quite clear from the above, Tari fails to teach or suggest the features of the present invention as now more clearly recited in the claims. Accordingly, reconsideration and withdrawal of the 35 USC §102(e) rejection of claims 1-5, 7-12, 20-23 and 25 as being anticipated by Tari is respectfully requested.

The remaining references of record have been studied. Applicants submit that they do not supply any of the deficiencies noted above with respect to the reference utilized in the rejection of claims 1-5, 7-12, 20-23 and 25.

In view of the foregoing amendments and remarks, applicants submit that claims 1-25 are in condition for allowance. Accordingly, early allowance of claims 1-25 is respectfully requested.

To the extent necessary, the applicants petition for an extension of time under 37 CFR 1.136. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, or credit any overpayment of fees, to the deposit account of MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C., Deposit Account No. 50-1417 (1213.42935X00).

Respectfully submitted,

MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C.



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Carl I. Brundidge  
Registration No. 29,621

CIB/jdc  
(703) 684-1120